TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
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North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-49464-2
Client Project/Site: CBS Compton

For:
CBS Corporation
20 Stanwix Street
Pittsburgh, Pennsylvania 15222-1384

Attn: Mr. Leo M. Brausch

Authorized for release by:
4/23/2015 1:06:26 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-49464-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: CBS Corporation

Project: CBS Compton

Report Number: 240-49464-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 04/17/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CC-OSEW-02 (240-49464-3), CC-E60-N170 (240-49464-7), CC-E80-N170 (240-49464-10), CC-E60-N130 (240-49464-13) and CC-E80-N90 (240-49464-16) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/20/2015 and analyzed on 04/22/2015 and 04/23/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Method(s) 8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: CC-E60-N170 (240-49464-7) and CC-E80-N90 (240-49464-16). These results have been reported and qualified.

Method(s) 8082: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument

Job ID: 240-49464-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

calibration: CC-E60-N170 (240-49464-7), CC-E80-N170 (240-49464-10), CC-E60-N130 (240-49464-13), CC-E80-N90 (240-49464-16), CC-OSEW-02 (240-49464-3). The samples have been quantified and reported as a mixture of Aroclors 1242 and 1260. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

Sample WP-41PRE was lost on the soxhlet mantel due to mechanical malfunction.

Samples CC-OSEW-02 (240-49464-3)[2X], CC-E60-N170 (240-49464-7)[100X], CC-E80-N170 (240-49464-10)[5X] and CC-E60-N130 (240-49464-13)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples CC-OSEW-02 (240-49464-3), CC-E60-N170 (240-49464-7), CC-E80-N170 (240-49464-10), CC-E60-N130 (240-49464-13) and CC-E80-N90 (240-49464-16) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/17/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-49464-3	CC-OSEW-02	Solid	04/14/15 23:04	04/17/15 10:00
240-49464-7	CC-E60-N170	Solid	04/15/15 00:41	04/17/15 10:00
240-49464-10	CC-E80-N170	Solid	04/15/15 01:33	04/17/15 10:00
240-49464-13	CC-E60-N130	Solid	04/16/15 01:09	04/17/15 10:00
240-49464-16	CC-E80-N90	Solid	04/16/15 00:40	04/17/15 10:00

Detection Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

Client Sample ID: CC-OSEW-02 — Lab Sample ID: 240-49464-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1242	280	J	400	130	ug/Kg	2	☼	8082	Total/NA
Aroclor-1260	570		400	110	ug/Kg	2	☼	8082	Total/NA

Client Sample ID: CC-E60-N170 — Lab Sample ID: 240-49464-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	130000		20000	5500	ug/Kg	100	☼	8082	Total/NA

Client Sample ID: CC-E80-N170 — Lab Sample ID: 240-49464-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1900		1000	280	ug/Kg	5	☼	8082	Total/NA

Client Sample ID: CC-E60-N130 — Lab Sample ID: 240-49464-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1500		990	270	ug/Kg	5	☼	8082	Total/NA

Client Sample ID: CC-E80-N90 — Lab Sample ID: 240-49464-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	190	J	200	55	ug/Kg	1	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CC-OSEW-02
Date Collected: 04/14/15 23:04
Date Received: 04/17/15 10:00

Lab Sample ID: 240-49464-3
Matrix: Solid
Percent Solids: 99.3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		400	150	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1221	ND		400	190	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1232	ND		400	240	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1242	**280**	**J**	400	130	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1248	ND		400	97	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1254	ND		400	170	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1260	**570**		400	110	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1262	ND		400	120	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2
Aroclor-1268	ND		400	160	ug/Kg	☼	04/20/15 09:10	04/23/15 09:29	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*29 - 151*	*04/20/15 09:10*	*04/23/15 09:29*	*2*
DCB Decachlorobiphenyl	*78*		*14 - 163*	*04/20/15 09:10*	*04/23/15 09:29*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			04/17/15 15:09	1
Percent Moisture	**0.71**		0.10	0.10	%			04/17/15 15:09	1

Client Sample ID: CC-E60-N170
Date Collected: 04/15/15 00:41
Date Received: 04/17/15 10:00

Lab Sample ID: 240-49464-7
Matrix: Solid
Percent Solids: 98.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		20000	7300	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1221	ND		20000	9700	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1232	ND		20000	12000	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1242	ND		20000	6700	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1248	ND		20000	4900	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1254	ND		20000	8500	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1260	**130000**		20000	5500	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1262	ND		20000	6100	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100
Aroclor-1268	ND		20000	7900	ug/Kg	☼	04/20/15 09:10	04/22/15 21:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*150*		*29 - 151*	*04/20/15 09:10*	*04/22/15 21:38*	*100*
DCB Decachlorobiphenyl	*319*	*X*	*14 - 163*	*04/20/15 09:10*	*04/22/15 21:38*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			04/17/15 15:09	1
Percent Moisture	**1.5**		0.10	0.10	%			04/17/15 15:09	1

Client Sample ID: CC-E80-N170
Date Collected: 04/15/15 01:33
Date Received: 04/17/15 10:00

Lab Sample ID: 240-49464-10
Matrix: Solid
Percent Solids: 97.7

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1000	370	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1221	ND		1000	490	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1232	ND		1000	610	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1242	ND		1000	340	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1248	ND		1000	250	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1254	ND		1000	430	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1260	**1900**		1000	280	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1262	ND		1000	310	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5
Aroclor-1268	ND		1000	400	ug/Kg	☼	04/20/15 09:10	04/22/15 22:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*29 - 151*	*04/20/15 09:10*	*04/22/15 22:27*	*5*
DCB Decachlorobiphenyl	*106*		*14 - 163*	*04/20/15 09:10*	*04/22/15 22:27*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			04/17/15 15:09	1
Percent Moisture	**2.3**		0.10	0.10	%			04/17/15 15:09	1

Client Sample ID: CC-E60-N130
Date Collected: 04/16/15 01:09
Date Received: 04/17/15 10:00

Lab Sample ID: 240-49464-13
Matrix: Solid
Percent Solids: 98.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		990	360	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1221	ND		990	480	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1232	ND		990	600	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1242	ND		990	330	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1248	ND		990	240	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1254	ND		990	420	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1260	**1500**		990	270	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1262	ND		990	300	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5
Aroclor-1268	ND		990	390	ug/Kg	☼	04/20/15 09:10	04/22/15 23:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*29 - 151*	*04/20/15 09:10*	*04/22/15 23:33*	*5*
DCB Decachlorobiphenyl	*91*		*14 - 163*	*04/20/15 09:10*	*04/22/15 23:33*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			04/17/15 15:09	1
Percent Moisture	**1.4**		0.10	0.10	%			04/17/15 15:09	1

Client Sample ID: CC-E80-N90
Date Collected: 04/16/15 00:40
Date Received: 04/17/15 10:00

Lab Sample ID: 240-49464-16
Matrix: Solid
Percent Solids: 98.4

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	73	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1221	ND		200	98	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1232	ND		200	120	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1242	ND		200	67	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1248	ND		200	49	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1254	ND		200	86	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1260	**190**	**J**	200	55	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1262	ND		200	61	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1
Aroclor-1268	ND		200	80	ug/Kg	☼	04/20/15 09:10	04/23/15 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*16*	*X*	*29 - 151*	*04/20/15 09:10*	*04/23/15 00:22*	*1*
DCB Decachlorobiphenyl	*21*		*14 - 163*	*04/20/15 09:10*	*04/23/15 00:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			04/17/15 15:09	1
Percent Moisture	**1.6**		0.10	0.10	%			04/17/15 15:09	1

Surrogate Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(29-151)	(14-163)
240-49464-3	CC-OSEW-02	77	78
240-49464-7	CC-E60-N170	150	319 X
240-49464-10	CC-E80-N170	109	106
240-49464-13	CC-E60-N130	103	91
240-49464-16	CC-E80-N90	16 X	21
LCS 240-177048/22-A	Lab Control Sample	101	109
MB 240-177048/21-A	Method Blank	134	90

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-177048/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 176995 — **Prep Batch: 177048**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	72	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1221	ND		200	96	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1232	ND		200	120	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1242	ND		200	66	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1248	ND		200	48	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1254	ND		200	84	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1260	ND		200	54	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1262	ND		200	60	ug/Kg		04/20/15 09:10	04/22/15 22:44	1
Aroclor-1268	ND		200	78	ug/Kg		04/20/15 09:10	04/22/15 22:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*134*		*29 - 151*	*04/20/15 09:10*	*04/22/15 22:44*	*1*
DCB Decachlorobiphenyl	*90*		*14 - 163*	*04/20/15 09:10*	*04/22/15 22:44*	*1*

Lab Sample ID: LCS 240-177048/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 176995 — **Prep Batch: 177048**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2000	1770		ug/Kg		88	62 - 120
Aroclor-1260	2000	1850		ug/Kg		93	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*101*		*29 - 151*
DCB Decachlorobiphenyl	*109*		*14 - 163*

Method: Moisture - Percent Moisture

Lab Sample ID: 240-49464-10 DU — **Client Sample ID: CC-E80-N170**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 176939

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	98		98		%		0.1	20
Percent Moisture	2.3		2.4		%		5	20

QC Association Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

GC Semi VOA

Analysis Batch: 176995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49464-7	CC-E60-N170	Total/NA	Solid	8082	177048
240-49464-10	CC-E80-N170	Total/NA	Solid	8082	177048
240-49464-13	CC-E60-N130	Total/NA	Solid	8082	177048
240-49464-16	CC-E80-N90	Total/NA	Solid	8082	177048
LCS 240-177048/22-A	Lab Control Sample	Total/NA	Solid	8082	177048
MB 240-177048/21-A	Method Blank	Total/NA	Solid	8082	177048

Prep Batch: 177048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49464-3	CC-OSEW-02	Total/NA	Solid	3540C	
240-49464-7	CC-E60-N170	Total/NA	Solid	3540C	
240-49464-10	CC-E80-N170	Total/NA	Solid	3540C	
240-49464-13	CC-E60-N130	Total/NA	Solid	3540C	
240-49464-16	CC-E80-N90	Total/NA	Solid	3540C	
LCS 240-177048/22-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-177048/21-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 177544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49464-3	CC-OSEW-02	Total/NA	Solid	8082	177048

General Chemistry

Analysis Batch: 176939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49464-3	CC-OSEW-02	Total/NA	Solid	Moisture	
240-49464-7	CC-E60-N170	Total/NA	Solid	Moisture	
240-49464-10	CC-E80-N170	Total/NA	Solid	Moisture	
240-49464-10 DU	CC-E80-N170	Total/NA	Solid	Moisture	
240-49464-13	CC-E60-N130	Total/NA	Solid	Moisture	
240-49464-16	CC-E80-N90	Total/NA	Solid	Moisture	

Client Sample ID: CC-OSEW-02 — **Lab Sample ID: 240-49464-3**

Date Collected: 04/14/15 23:04 — Matrix: Solid
Date Received: 04/17/15 10:00 — Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			177048	04/20/15 09:10	CSC	TAL CAN
Total/NA	Analysis	8082		2	177544	04/23/15 09:29	KMG	TAL CAN
Total/NA	Analysis	Moisture		1	176939	04/17/15 15:09	BLW	TAL CAN

Client Sample ID: CC-E60-N170 — **Lab Sample ID: 240-49464-7**

Date Collected: 04/15/15 00:41 — Matrix: Solid
Date Received: 04/17/15 10:00 — Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			177048	04/20/15 09:10	CSC	TAL CAN
Total/NA	Analysis	8082		100	176995	04/22/15 21:38	KMG	TAL CAN
Total/NA	Analysis	Moisture		1	176939	04/17/15 15:09	BLW	TAL CAN

Client Sample ID: CC-E80-N170 — **Lab Sample ID: 240-49464-10**

Date Collected: 04/15/15 01:33 — Matrix: Solid
Date Received: 04/17/15 10:00 — Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			177048	04/20/15 09:10	CSC	TAL CAN
Total/NA	Analysis	8082		5	176995	04/22/15 22:27	KMG	TAL CAN
Total/NA	Analysis	Moisture		1	176939	04/17/15 15:09	BLW	TAL CAN

Client Sample ID: CC-E60-N130 — **Lab Sample ID: 240-49464-13**

Date Collected: 04/16/15 01:09 — Matrix: Solid
Date Received: 04/17/15 10:00 — Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			177048	04/20/15 09:10	CSC	TAL CAN
Total/NA	Analysis	8082		5	176995	04/22/15 23:33	KMG	TAL CAN
Total/NA	Analysis	Moisture		1	176939	04/17/15 15:09	BLW	TAL CAN

Client Sample ID: CC-E80-N90 — **Lab Sample ID: 240-49464-16**

Date Collected: 04/16/15 00:40 — Matrix: Solid
Date Received: 04/17/15 10:00 — Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			177048	04/20/15 09:10	CSC	TAL CAN
Total/NA	Analysis	8082		1	176995	04/23/15 00:22	KMG	TAL CAN
Total/NA	Analysis	Moisture		1	176939	04/17/15 15:09	BLW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49464-2

Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1016
8082	3540C	Solid	Aroclor-1221
8082	3540C	Solid	Aroclor-1232
8082	3540C	Solid	Aroclor-1242
8082	3540C	Solid	Aroclor-1248
8082	3540C	Solid	Aroclor-1254
8082	3540C	Solid	Aroclor-1260

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1262
8082	3540C	Solid	Aroclor-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica
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TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-49464 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

4/23/2015

3.2/C3.7

WSP CHAIN-OF-CUSTODY RECORD

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No 000296

WSP Office Address: Pittsburg, PA

Project Name & Location	Project No.	WSP Contact Name
CBS Compton	41949	Dave Rykaczewki

Sampler's Name	Sampler's Signature	WSP Contact E-mail	WSP Contact Phone
Wanda Worg	Wanda Worg	Dave.Rykaczewki@wspgroup.com	(408) 529-0541

Requested Analysis: PCBs 8082A

Requested TAT: STANDARD

Requested Deliverable: ☐ LEVEL II ☐ ERIMS EDD ☐ LEVEL III ☐ GISKEY EDD ☒ LEVEL IV ☐ EQUIS EDD

Sample ID	Comp/ Grab	Collection Date Start*	Collection Date Stop	Collection Time Start*	Collection Time Stop	Matrix	No. of Containers	Preservative	Sample Comments
CC-BREW-01		4/14/15	2051			B	1	X	
CC-OSEW-01		4/14/15	2113			B	1	X	
CC-OSEW-02		4/14/15	2304			B	1	X	* 3 DAY TAT
CC-EW-04		4/14/15	2327			B	1	X	
CC-E60-N210		4/15/15	0011			B	1	X	
CC-E60-N190		4/15/15	0025			B	1	X	
CC-E60-N170		4/15/15	0041			B	1	X	*3 DAY TAT
CC-E60-N150		4/15/15	0053			B	1	X	
CC-E80-N150		4/15/15	109			B	1	X	
CC-E80-N170		4/15/15	133			B	1	X	*3 DAY TAT
CC-E80-N190		4/15/15	142			B	1	X	
CC-E80-N210		4/15/15	152			B	1	X	
CC-E60-N130		4/16/15	109			B	1	X	*3 DAY TAT
CC-E60-N110		4/16/15	104			B	1	X	
CC-E60-N90		4/16/15	0051			B	1	X	

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Laboratory Name	Laboratory Location	Laboratory Contact
Wanda Worg	4/16/15	1417	[signature]	4/16/15	1417	Test America	Canton, OH	Nate Pietras
[signature]	4/16/15	1525	[signature]	4.17.15	1000	Method of Shipment	Airbill No.	Shipping Date / No. of Coolers

Sample Condition (Laboratory Use Only)	Temp in °C	Received on Ice	Sealed Cooler	Sample Intact	Additional Comments

*Use start and stop time/date for composite and air samples. Include single start time and date for all other samples.

Matrix: GW = Groundwater S = Soil SE = Sediment SW = Surface Water WW = Wastewater A = Air W = Wipe B = Bulk Bi = Biota O = Other (detail in comments)

Preservation: I = Ice H = HCl N = HNO_3 S = H_2SO_4 NO = NaOH O = Other (detail in comments)

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ED_002285B_00006417-00020

WSP CHAIN-OF-CUSTODY RECORD

No 000543

WSP Office Address: Pittsburg, PA

Project Name & Location	Project No.	WSP Contact Name
CBS Compton	41949	Dave Rykaczewki

Sampler's Name	Sampler's Signature	WSP Contact E-mail	WSP Contact Phone
Wanda Wong	Wanda Wong	Dave.Rykaczewki@wspgroup.com	( ) -

Requested Analysis: PCBs 8082A

Requested TAT: STANDARD

Requested Deliverable: ☐ LEVEL II ☐ ERIMS EDD ☐ LEVEL III ☐ GISKEY EDD ☒ LEVEL IV ☐ EQUIS EDD

Sample ID	Comp/ Grab	Collection Date Start*	Collection Date Stop	Collection Time Start*	Collection Time Stop	Matrix	No. of Containers	Preservative	Sample Comments
CC-E80-N90		4/16/15	0040			B	1	X	*3 DAY TAT
CC-E80-N110		4/16/15	0029			B	1	X	
CC-E80-N130		4/16/15	0014			B	1	X	
~~WP-39PRE~~		~~4/15/15~~	~~2144~~			~~W~~	1	X	~~*3 DAY TAT~~ WW
~~WP-40PRE~~		~~4/15/15~~	~~2148~~			~~W~~	1	X	
WP-41PRE		4/15/15	2220			W	1	X	*3 DAY TAT
		4/15/15	2220			W	1	X	
EB-01-041515		4/15/15	1750			AQ	1	X	

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Laboratory Name	Laboratory Location	Laboratory Contact
Wanda Wong	4/16/15	14:17		4/16/15	14:17	Test America	Canton, OH	Nate Pietras
	4/16/15	15:25						

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Method of Shipment	Airbill No.	Shipping Date	No. of Coolers

Sample Condition (Laboratory Use Only)	Temp in °C	Received on Ice	Sealed Cooler	Sample Intact	Additional Comments

*Use start and stop time/date for composite and air samples. Include single start time and date for all other samples.

Matrix: GW = Groundwater S = Soil SE = Sediment SW = Surface Water WW = Wastewater A = Air W = Wipe B = Bulk Bi = Biota O = Other (detail in comments)

Preservation: I = Ice H = HCl N = HNO_3 S = H_2SO_4 NO = NaOH O = Other (detail in comments)

4/23/2015

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 194604**
Canton Facility

Client WSP Site Name _____ Cooler unpacked by:

Cooler Received on 4-17-15 Opened on 4-17-15

FedEx: 1st Grd ~~Exp~~ UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box ~~Client Cooler~~ Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. 3.2 °C Corrected Cooler Temp. 3.7 °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s)? Yes ~~No~~
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the sampler(s) clearly identified on the COC? Yes ~~No~~
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Were sample(s) at the correct pH upon receipt? Yes No ~~NA~~ pH Strip Lot# HC425511
12. Were VOAs on the COC? Yes ~~No~~
13. Were air bubbles >6 mm in any VOA vials? Yes No ~~NA~~
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes ~~No~~

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Ref: SOP NC-SC-0005, Sample Receiving
X:\Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099P-020915 Cooler Receipt Form.doc djl